

RAW SEQUENCE LISTING

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Application Serial Number: 10/783,415A
Source: JFW/6
Date Processed by STIC: 09/14/2005

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RAW SEQUENCE LISTING

DATE: 09/14/2005

PATENT APPLICATION: US/10/783,415A

TIME: 09:57:11

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INT6

3 <110> APPLICANT: THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS
 4 REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND
 5 HUMAN SERVICES
 6 Marchetti, Antonio
 7 Buttitta, Fiamma
 8 Smith, Gilbert H.
 9 Callahan, Robert
 11 <120> TITLE OF INVENTION: NUCLEOTIDE AND DEDUCED AMINO ACID SEQUENCES OF TUMOR GENE
 13 <130> FILE REFERENCE: 4239-67782-01
 15 <140> CURRENT APPLICATION NUMBER: 10/783,415A
 16 <141> CURRENT FILING DATE: 2004-02-19
 18 <150> PRIOR APPLICATION NUMBER: 09/858,152
 19 <151> PRIOR FILING DATE: 2001-05-14
 21 <150> PRIOR APPLICATION NUMBER: 09/378,842
 22 <151> PRIOR FILING DATE: 1999-08-23
 24 <150> PRIOR APPLICATION NUMBER: 08/875,847
 25 <151> PRIOR FILING DATE: 1997-09-25
 27 <150> PRIOR APPLICATION NUMBER: PCT/US96/01884
 28 <151> PRIOR FILING DATE: 1996-02-09
 30 <150> PRIOR APPLICATION NUMBER: 08/385,998
 31 <151> PRIOR FILING DATE: 1995-02-09
 33 <160> NUMBER OF SEQ ID NOS: 36
 35 <170> SOFTWARE: PatentIn version 3.2
 37 <210> SEQ ID NO: 1
 38 <211> LENGTH: 1505
 39 <212> TYPE: DNA
 40 <213> ORGANISM: Murine INT6
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 47 ataataaaaa agaattatta caaggaaaat tagatcttct tagtgatacc aatatggtgg 180
 49 actttgctat ggatgtttac aaaaaccttt attctgatga tatccctcat gctttgagag 240
 51 aaaaaagaac cacagttggt gcgcagctga aacagctcca ggcagaaaca gaaccaattg 300
 53 tgaagatggt tgaagatcca gaaactacaa ggcagatgca gtcaaccagg gatggcagga 360
 55 tgttatttga ctacctggca gacaaacatg ggtttaggca agagtactta gataactct 420
 57 acagatacgc aaaattccag tatgagtgtg gaaattactc tggagctgca gagtatcttt 480
 59 acttcttttag agttttggtc ccagcaacag atagaaatgc tttaagttcg ctctggggaa 540
 61 aactggcctc tgaaatctta atgcagaatt gggatgcagc catggaagac cttactcgat 600
 63 taaaagaaac catagacaat aattctgtga gttctccact ccagtctctt cagcagcgaa 660
 65 catggctcat tcattggtct ctatttgttt ttttcaacca tccaaagggc cgtgataaca 720
 67 ttattgatct ctctctttac caaccacagt atcttaatgc aattcagaca atgtgtccac 780
 69 atattctacg ctatttgact actgccgtca taaccaacaa agatgtgcgg aaacgccggc 840
 71 aggtgctgaa agatctggtg aaagtgatcc aacaggagtc ttacacatat aaagacccaa 900

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75 tgagagaatg tgaatcagtg ctcgatgaatg acttcttctt ggtagcgtgt ctggaggact 1020
77 tcattgagaa tgcccgctctc ttcataatttg agacgttttg tcgtatccac cagtgtatca 1080
79 gcattaatat gtttagcagat aaactgaata tgactccaga agaagctgaa agatggattg 1140
81 tgaatttgat tagaaatgcg aggttggatg ccaagattga ttctaaacta ggtcatgtgg 1200
83 taatgggcaa caatgcagtc tcgccctacc agcaagtgat tgaaaagacc aaaagccttt 1260
85 cttttagaag ccaaagtgtg gccatgaata ttgaaaagaa acttaatcag aacagtagat 1320
87 cagaggctcc caactgggca acccaagact ctggcttcta ttaaaggatt ataaagaaaa 1380
89 gaagaaaaag gaataagtga aagacacagt agccattgtg tataaaggat gacatacatt 1440
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96 <210> SEQ ID NO: 2

97 <211> LENGTH: 396

98 <212> TYPE: PRT

99 <213> ORGANISM: Murine INT6

101 <400> SEQUENCE: 2

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108 20 25 30
111 Lys Gln Leu Gln Ala Glu Thr Glu Pro Ile Val Lys Met Phe Glu Asp
112 35 40 45
115 Pro Glu Thr Thr Arg Gln Met Gln Ser Thr Arg Asp Gly Arg Met Leu
116 50 55 60
119 Phe Asp Tyr Leu Ala Asp Lys His Gly Phe Arg Gln Glu Tyr Leu Asp
120 65 70 75 80
123 Thr Leu Tyr Arg Tyr Ala Lys Phe Gln Tyr Glu Cys Gly Asn Tyr Ser
124 85 90 95
127 Gly Ala Ala Glu Tyr Leu Tyr Phe Phe Arg Val Leu Val Pro Ala Thr
128 100 105 110
131 Asp Arg Asn Ala Leu Ser Ser Leu Trp Gly Lys Leu Ala Ser Glu Ile
132 115 120 125
135 Leu Met Gln Asn Trp Asp Ala Ala Met Glu Asp Leu Thr Arg Leu Lys
136 130 135 140
139 Glu Thr Ile Asp Asn Asn Ser Val Ser Ser Pro Leu Gln Ser Leu Gln
140 145 150 155 160
143 Gln Arg Thr Trp Leu Ile His Trp Ser Leu Phe Val Phe Phe Asn His
144 165 170 175
147 Pro Lys Gly Arg Asp Asn Ile Ile Asp Leu Phe Leu Tyr Gln Pro Gln
148 180 185 190
151 Tyr Leu Asn Ala Ile Gln Thr Met Cys Pro His Ile Leu Arg Tyr Leu
152 195 200 205
155 Thr Thr Ala Val Ile Thr Asn Lys Asp Val Arg Lys Arg Arg Gln Val
156 210 215 220
159 Leu Lys Asp Leu Val Lys Val Ile Gln Gln Glu Ser Tyr Thr Tyr Lys
160 225 230 235 240
163 Asp Pro Ile Thr Glu Phe Val Glu Cys Leu Tyr Val Asn Phe Asp Phe
164 245 250 255
167 Asp Gly Ala Gln Lys Lys Leu Arg Glu Cys Glu Ser Val Leu Val Asn

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168          260          265          270
171 Asp Phe Phe Leu Val Ala Cys Leu Glu Asp Phe Ile Glu Asn Ala Arg
172          275          280          285
175 Leu Phe Ile Phe Glu Thr Phe Cys Arg Ile His Gln Cys Ile Ser Ile
176          290          295          300
179 Asn Met Leu Ala Asp Lys Leu Asn Met Thr Pro Glu Glu Ala Glu Arg
180 305          310          315          320
183 Trp Ile Val Asn Leu Ile Arg Asn Ala Arg Leu Asp Ala Lys Ile Asp
184          325          330          335
187 Ser Lys Leu Gly His Val Val Met Gly Asn Asn Ala Val Ser Pro Tyr
188          340          345          350
191 Gln Gln Val Ile Glu Lys Thr Lys Ser Leu Ser Phe Arg Ser Gln Met
192          355          360          365
195 Leu Ala Met Asn Ile Glu Lys Lys Leu Asn Gln Asn Ser Arg Ser Glu
196          370          375          380
199 Ala Pro Asn Trp Ala Thr Gln Asp Ser Gly Phe Tyr
200 385          390          395
203 <210> SEQ ID NO: 3
204 <211> LENGTH: 1500
205 <212> TYPE: DNA
206 <213> ORGANISM: Homo sapiens
208 <400> SEQUENCE: 3
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211 tggatcggca tctagtcttt ccgcttcttg aatttctctc tgtaaaggag atatataatg 120
213 aaaaggaatt attacaaggt aaattggacc ttcttagtga taccaacatg gtagactttg 180
215 ctatggatgt atacaaaaac ctttattctg atgatattcc tcatgctttg agagagaaaa 240
217 gaaccacagt gggtgcacaa ctgaaacagc ttcaggcaga aacagaacca attgtgaaga 300
219 tgtttgaaga tccagaaact acaaggcaaa tgcagtcaac cagggatggg aggatgctct 360
221 ttgactacct ggcggaacag catggtttta ggcaggaata tttagatata ctctacagat 420
223 atgcaaaatt ccagtacgaa tgtgggaatt actcaggagc agcagaatat ctttattttt 480
225 tttagagtgt ggttccagca acagatagaa atgctttaag ttcactctgg ggaaagctgg 540
227 cctctgaaat cttaatgcag aattgggatg cagccatgga agaccttaca cggttaaaag 600
229 agaccataga taataattct gtgagttctc cacttcagtc tcttcagcag agaacatggc 660
231 tcattcactg gtctctgttt gttttcttca atcaccocaa aggtcgcgat aatattattg 720
233 acctcttctt ttatcagcca caatatctta atgcaattca gacaatgtgt ccacacattc 780
235 ttcgctatct gactacagca gtcataacaa acaaggatgt tcgaaaacgt cggcagggttc 840
237 taaaagatct agttaagtt attcaacagg agtcttacac atataaagac ccaattacag 900
239 aatttgattga atgtttatat gtttaactttg actttgatgg ggctcagaaa aagctgaggg 960
241 aatgtgaatc agtgcttggtg aatgacttct tcttggtggc ttgtcttgag gatttcattg 1020
243 aaaatgcccg tctcttcata tttgagactt tctgtcgcat ccaccagtgt atcagcatta 1080
245 acatgttggc agataaattg aacatgactc cagaagaagc tgaaaggtgg attgtaaatt 1140
247 tgattagaaa tgcaagactg gatgccaaaga ttgattctaa attaggtcat gtggttatgg 1200
249 gtaacaatgc agtctcacc cttatcagcaag tgattgaaaa gacccaaagc ctttccttta 1260
251 gaagccagat gttggccatg aatattgaga agaaacttaa tcagaatagc aggtcagagg 1320
253 ctcttaactg ggcaactcaa gattctggct tctactgaag aaccataaag aaaagatgaa 1380
255 aaaaaaaact atcaaagaaa gatgaaataa taaaactatt atataaaggg tgacttacat 1440
257 tttggaaaca acatattacg tataaatttt gaagaattgg aataaaattg attcatttta 1500
260 <210> SEQ ID NO: 4
261 <211> LENGTH: 396

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262 <212> TYPE: PRT
263 <213> ORGANISM: Homo sapiens
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267 Met Val Asp Phe Ala Met Asp Val Tyr Lys Asn Leu Tyr Ser Asp Asp
268 1 5 10 15
271 Ile Pro His Ala Leu Arg Glu Lys Arg Thr Thr Val Val Ala Gln Leu
272 20 25 30
275 Lys Gln Leu Gln Ala Glu Thr Glu Pro Ile Val Lys Met Phe Glu Asp
276 35 40 45
279 Pro Glu Thr Thr Arg Gln Met Gln Ser Thr Arg Asp Gly Arg Met Leu
280 50 55 60
283 Phe Asp Tyr Leu Ala Asp Lys His Gly Phe Arg Gln Glu Tyr Leu Asp
284 65 70 75 80
287 Thr Leu Tyr Arg Tyr Ala Lys Phe Gln Tyr Glu Cys Gly Asn Tyr Ser
288 85 90 95
291 Gly Ala Ala Glu Tyr Leu Tyr Phe Phe Arg Val Leu Val Pro Ala Thr
292 100 105 110
295 Asp Arg Asn Ala Leu Ser Ser Leu Trp Gly Lys Leu Ala Ser Glu Ile
296 115 120 125
299 Leu Met Gln Asn Trp Asp Ala Ala Met Glu Asp Leu Thr Arg Leu Lys
300 130 135 140
303 Glu Thr Ile Asp Asn Asn Ser Val Ser Ser Pro Leu Gln Ser Leu Gln
304 145 150 155 160
307 Gln Arg Thr Trp Leu Ile His Trp Ser Leu Phe Val Phe Phe Asn His
308 165 170 175
311 Pro Lys Gly Arg Asp Asn Ile Ile Asp Leu Phe Leu Tyr Gln Pro Gln
312 180 185 190
315 Tyr Leu Asn Ala Ile Gln Thr Met Cys Pro His Ile Leu Arg Tyr Leu
316 195 200 205
319 Thr Thr Ala Val Ile Thr Asn Lys Asp Val Arg Lys Arg Arg Gln Val
320 210 215 220
323 Leu Lys Asp Leu Val Lys Val Ile Gln Gln Glu Ser Tyr Thr Tyr Lys
324 225 230 235 240
327 Asp Pro Ile Thr Glu Phe Val Glu Cys Leu Tyr Val Asn Phe Asp Phe
328 245 250 255
331 Asp Gly Ala Gln Lys Lys Leu Arg Glu Cys Glu Ser Val Leu Val Asn
332 260 265 270
335 Asp Phe Phe Leu Val Ala Cys Leu Glu Asp Phe Ile Glu Asn Ala Arg
336 275 280 285
339 Leu Phe Ile Phe Glu Thr Phe Cys Arg Ile His Gln Cys Ile Ser Ile
340 290 295 300
343 Asn Met Leu Ala Asp Lys Leu Asn Met Thr Pro Glu Glu Ala Glu Arg
344 305 310 315 320
347 Trp Ile Val Asn Leu Ile Arg Asn Ala Arg Leu Asp Ala Lys Ile Asp
348 325 330 335
351 Ser Lys Leu Gly His Val Val Met Gly Asn Asn Ala Val Ser Pro Tyr
352 340 345 350
355 Gln Gln Val Ile Glu Lys Thr Lys Ser Leu Ser Phe Arg Ser Gln Met
356 355 360 365

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359 Leu Ala Met Asn Ile Glu Lys Lys Leu Asn Gln Asn Ser Arg Ser Glu
360      370      375      380
363 Ala Pro Asn Trp Ala Thr Gln Asp Ser Gly Phe Tyr
364 385      390      395
367 <210> SEQ ID NO: 5
368 <211> LENGTH: 25
369 <212> TYPE: DNA
370 <213> ORGANISM: Artificial Sequence
372 <220> FEATURE:
373 <223> OTHER INFORMATION: Oligonucleotide primer
375 <400> SEQUENCE: 5
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379 <210> SEQ ID NO: 6
380 <211> LENGTH: 20
381 <212> TYPE: DNA
382 <213> ORGANISM: Artificial Sequence
384 <220> FEATURE:
385 <223> OTHER INFORMATION: Oligonucleotide primer
387 <400> SEQUENCE: 6
388 gcgcccacaaag accccctcac                                20
391 <210> SEQ ID NO: 7
392 <211> LENGTH: 20
393 <212> TYPE: DNA
394 <213> ORGANISM: Artificial Sequence
396 <220> FEATURE:
397 <223> OTHER INFORMATION: Oligonucleotide primer
399 <400> SEQUENCE: 7
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404 <211> LENGTH: 22
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406 <213> ORGANISM: Artificial Sequence
408 <220> FEATURE:
409 <223> OTHER INFORMATION: Oligonucleotide primer
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416 <211> LENGTH: 20
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418 <213> ORGANISM: Artificial Sequence
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428 <211> LENGTH: 20
429 <212> TYPE: DNA
430 <213> ORGANISM: Artificial Sequence
432 <220> FEATURE:

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VERIFICATION SUMMARY

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